

2010 Storming the West Sound conference

Breakout sessions

Theme: Exploring West Puget Sound -- through Environmental Education, Outreach and Science.

Keynote Address: Ocean Acidification/climate Literacy by *Liam Antrim, Resource Protection Specialist at the Olympic Coast National Marine Sanctuary.*

This presentation will introduce changes to the ocean environment anticipated or already occurring as a result of climate change, and highlight ocean acidification as a particularly confusing and ominous effect. As an educational topic, ocean acidification is a challenge because it is complicated and offers frightening ecosystem prospects! This presentation will help prepare you to discuss the topic with your audiences.

Educating the community through Action, Learning, and Awareness Programs - Kitsap County Public Works:

Join us to hear about three Kitsap Surface and Stormwater Management-funded education programs that reduce stormwater impacts. Action: Slow the Water...This residential rain garden program provides technical assistance and incentivizes residents to install their own rain garden through a unique cost-share agreement with the Kitsap Conservation District. Learning: Kitsap Science Connections: Learning about our Local Environment and Resources. This partnership between agencies and a local school district resulted in the development of a standards-based 4th-grade science kit currently being piloted in all 12 elementary schools. Awareness: Your Dog. Your Doodie. No Excuses! This social marketing-based Mutt Mitt program empowers residents to enhance the safety and enjoyment of their communities while establishing pet waste pick up as a social norm. Easy measurement of behavior adoption is a built-in bonus.

Climate Change: New Tools for Teaching in a New Reality - North Olympic Peninsula Skills Center + Facing the Future:

This presentation will provide engaging, student-tested, educational tools that foster a deeper understanding of climate change. These take-home tools include flexible lessons, hands-on projects, and an entire instructional unit – all perfect for middle and secondary level formal and non-formal educators. Participants will: Understand the interdisciplinary nature of climate change Work through a model climate change lesson that can compliment any established curriculum Participate in and present about the following project options for students 'Cool School Challenge' Carbon Footprint Tracking Weather Trends Over Time Climate Change Photo Documentation Receive an introduction to Facing the Future's 'Climate Change: Global Connections and Sustainable Solutions' 2-week unit Receive free climate change curriculum from Facing the Future and local Olympic Peninsula schools

Using Film to Bridge the Gap – Leaping Frog Films:

Presentation will include showing a 24 minute film on the restoration of the only native abalone in WA State (blu-ray quality). This is one episode in a collection of Washington stories depicting dedicated people from all walks of life, and across numerous and diverse professional disciplines, working together to restore native species and the ecosystems upon which they depend. The one thing all these people have in common is that they have seen the degradation of the natural world and they have been moved to take action. A general discussion with the audience will follow, focusing on the power of film to educate

Teaching About Toxics:

What are some common hazardous household products? How can your students learn to make informed choices, for their own health and the environment, when buying products? You can teach these concepts and many more using the Hazards on the Home front curriculum for 6th to 12th grades. Participants will come away with a FREE CD of the entire curriculum and an overview of how to use it. The session will also introduce participants to Ecology's Toxic Free Tips service, a FREE source of information on all types of hazardous chemicals. They'll have the chance to make their own "greener" cleaner from common household ingredients as well, and try it out in a side-by-side comparison with commercial cleaners. By
Washington Department of Ecology

Eco-Schools USA: A comprehensive school certification program – National Wildlife Federation:

Eco-Schools is an internationally acclaimed program that provides a framework to help educators integrate sustainable principles throughout their schools and curriculum. Through school-based action teams of students, administrators, educators, and parents, Eco-Schools combines effective “green” management of school grounds and facilities with high-quality environmental education and community volunteerism. Schools that are certified in the program undergo a thorough application process; succeed in organizing a comprehensive assessment of energy and water usage, waste production, and school grounds; and adhere to an action plan that is developed, implemented, and monitored by a student-faculty coalition. National Wildlife Federation was granted U.S. host status and now is outreaching and training on the program.

Show It! Tell It! Using Video and Social Media Effectively – Mountainstone Productions, Olympic Peninsula Env News:

Al Bergstein, producer/director of Mountainstone Productions and Publisher of The Olympic Peninsula Environmental News (www.olyopen.net) will do an open forum discussion about how to more effectively use video and online presence for educators. Al recently finished, “*Voices of the Strait*” a 15 minute documentary on people living on the Strait of Juan de Fuca. <http://www.vimeo.com/12452315>

Elwha River Restoration – Olympic National Park & Coastal Watershed Institute

An overview presentation of the Elwha project, Elwha nearshore, and Elwha Nearshore Consortium strategy and subsequent work linking citizens, science, and education to define ecosystem restoration on the Elwha nearshore. We are working primarily with WWU, PC, and UW, the Tribes, multiple agency scientists, and citizens/landowners-and it’s important for folks-including k-12 educators- to understand the ecosystem processes of the nearshore associated with the Elwha.

Cutting to the Chase: Proven Methods to Change Environmental Behaviors - Sage Enviro

What persuasion tip can you borrow from Benjamin Franklin? What common mistake causes messages to self-destruct? This workshop will answer these and other questions, using research findings and insights from social psychology and behavioral economics. You will learn how to use key principles, such as reciprocity,

social proof and loss aversion, to develop more persuasive environmental programs and messages that will be more effective at changing environmental behavior.

Bringing the Layers of Marine Water to the Classroom – Hood Canal Salmon Enhancement Group & NANOOS: Northwest Associations of Networked Ocean Observing Systems:

This session is designed specifically for educators, and will take you from the ocean science to the classroom. We will delve briefly into the differences and similarities between coastal hypoxia and the hypoxia events observed within the inland waters of Hood Canal. This session will then go a step further and show you some sources of real-time, and near real-time data from a variety of ocean observing systems used to track marine conditions. Several questions will be posed, and you will be shown avenues and resources for use in the classroom to investigate the answers.

Jump into the world of real-time data and near real-time from local sources to enhance your ability to guide students towards meaningful science investigation.